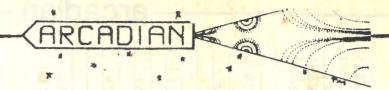
VOL 2 No.1 Nov. 29, 1979



Those of you who are starting with us with this volume may be interested in a very short history. The Bally Arcade was first advertised by the Chicago mail order house of JS&A in such magazines as Popular Science, Scientific American, the airline freebies and a couple of others in Sept/Oct. of 1977. In the two page ad, delivery was promised in four weeks and the expansion unit was indicated to be available in 6 weeks, so that a complete and highly sophisticated computer would be shotly available at a \$600 price range. The Tiny BASIC showed up in October 1978, and I started this subscription newsletter in Nov. We have yet to see the expansion unit (Add On)(Level III), but in the last year a number of doors have been unlocked in the Tiny BASIC and subscribers, as a group, are the only ones able to expand their programs and enhance their operations. This Newsletter is the only established source of free programs, and provides a place for those wishing to market their outputs.

PRINTER OUTPUT. I GUESS YOU NOTE THE UNUSUAL TYPE IN THIS PARAGRAPH; THIS IS BEING TYPED VIA MY NEW Comprint 912S PRINTER UNDER DIRECT CONTROL OF THE BALLY. I HOPE TO PRINT MORE OF THE ARCADIAN THIS WAY IN THE FUTURE - THIS IS A SAMPLE TO WHET YOUR APPETITE. THIS MACHINE WAS ADVERTISED ON THE INSIDE FRONT COVER OF THE JULY KILOBAUD. COST IS \$699 RETAIL, BUT I HAVE A SOURCE FOR IT AT \$525 FOB SAN JOSE (PLUS CAL TAX IF APPLICABLE). FULL DETAILS NEXT TIME.

### \*SAUCER BATTLE\*

## BY JOHN HURST

### 9/79

10 - 100	Initialize and Input mode of play. Draw stars and print scoring.
200 - 290	Draw saucers and allow control by hand controls. Two player game.
300 - 495	One player against computer. Draw saucers, left for player, right for computer. Computer random positioning and movement. Set ups for computer or TR(1) firing.
500 - 530 540	Set ups for TR(1) or TR(2) firing in two player mode.  Back to two player program if neither saucer fires LASER.
600 - 680	Fire left saucer's LASER, if a hit goto blowup routine, if not go back to one or two player routine, whichever is in use.
700 - 780	Same as 600, but for right saucer.
800 - 860	Blowup right saucer, back to main program in use. Upgrade score.
900 - 960	Blowup left saucer, back to main program in use. Upgrade score.
1000 -1010	Print GAME OVER. If GO key is pressed, goto line 10 to play again.

This game can be played by two or one, (against the computer). Difficulty of hitting target can be selected, \$\mathscr{G}^{-1}\$, \$\mathscr{G}\$ being the hardest. Amount of LASER blasts and Max Score to win can be selected. If one player option is selected, accuracy of the computer can be set, \$\mathscr{G}^{-2}\$, \$\mathscr{G}\$ being the most accurate. If the computer fires when accuracy is \$\mathscr{G}\$, it will not miss. If both triggers are pulled at the same time, neither will fire, in two player option. If remaining LASER blasts are five or less, an open hole will appear in the center of the saucer that is low on charge. When all charge for LASER is depleted for one saucer, he can no longer fire. If both saucers are depleted of charge, or Max Score is reached by one saucer, game is over. To play again just press \$\mathscr{G}\$O key.

The memory use of this game is very close to the max available to the Bally, so care should be used when entering this program. Use no spaces unless necessary, the listing may have extra spaces due to my typing. If you don't need them, don't use them. Also deleting lines 1 - 5 can save some memory if needed. Good Luck.

John R. Hurst

OFOO	dian
arcad	Idi
1 1 197 197 1973	TON

	120 & (23) = £55; 730 LINE 73 D. 130 NE \$\$4.4 & 150 NE \$\$4.4 & 150 NE \$\$15 NE	# # # # # # # # # # # # # # # # # # #
	LF F>=U-5 BOX-75, K LF G>=U-5 BOX 75, L BOX-75, K, 4, 4, 3; BOX 4, 3 LF F=U GOTO 440 LF F=U GOTO 440 LF M=L GOTO 400 LF M=L GOTO 310 LF M=L GOTO 310 LF M=L GOTO 310 LF M=L GOTO 310	1
PROGRAM NAME SALCER BATTLE	Line # . *S.A.U.C.E.R. BATTLE *  3 . BY JOHN HURST  5 . 9 / 79  10 F = 0; 6 = 0; I = 0; I = 0; MT = 1  20 CLEAR: BC = 0; FC = 126; Å(\$) = 6;  20 CLEAR: BC = 0; FC = 126; Å(\$) = 6;  20 LNPUT **D   FF   CULTY: \$0 * 1 ?** M  50 INPUT **LASER** BLASTS \$" U  60 INPUT **MAK SCORE T** H  70 INPUT **MAK SCORE T** H	

# arcadian

ANOTHER PRINTER has been successfully connected to the Bally, writes John Hurst. He has a Victor Model 1250 that uses 3 3/4" wide adding machine tape, with 34 characters per line. John sent some sample material, but the print was blue and wouldn't reproduce. He also needs the little converter that was shown on p.47 of Vol. 1.

NOSTALGIAZ for those who can recall some of the older Bally gaming machines. This antique was included in an auction held at Disneyland in late November.



Bally Sparkplug Paying Horse Race Game.

DECIMAL DIVISION is a version by Laurence Gallant that will give you up to 32,676 decimal places (the variable 2).

4-1-1 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	- PROGRAM	NAME LOGO
	Line #	Statement(s)
S .BY L. GALLANT	10	CLEAR
LO INPUT X Y Z	20	8(9)=37
2.0 A=X+Y	30	BC=250:FC=7
30 PRINT #1.A.#1."."	40	FOR A=1 TO 150
	50	U= RNN (140) -80: V= KNN (88) -44
50 E= (RM x 10) +Y	.60	BOX H. V. 1. 1. RND (2)
60 PRINT E.	7.0	NEXT A
7.0 N.E.X.T. B.	80	L(4)=85:8(1)=25¢
		&(2)=108:&(11)=25¢
	100	CX = -44: CY = 0
LOGO shown at the head of	110	PRINT" ARCADIAN
page ONE is based on an idea		LINE O, O, A
by Guy McLimore, and embellished	1.30	FOR Q= Ø TO 35 STEP 2
by myself. If you'd like to see	140	LINE 75, 0, 3; LINE 0, 4, 4
it in action (literally) and in living color, the program	150	LINE 75, -0,3, LINE 0,0,4
is included.	1.60	NEXT Q
/all and sale as assist to see	170	L=7: FOR Z=48 TO 51
		Box - 2, 0, 1, 1, 1
		L=L-2
	200	NEXT Z
ables of cast on Otto and the male	2.1.0	BOX -22, \$ 56, 9,3
	220	FOR G=0 TO 35
		LINE 75,0,3; LINE 0,0,4
	240	LINE 75,-0,3; LINE 0, 4,4
		NEXT Q
		GOTO 220
	Language and American	

THREE

# arcadian

PROGRAM REVIEWS are being covered in detail in this first issue of Vol.2 in order to act as a reference base for future material. Dick Houser 635 Los Alamos Ave., Livermore, CA 94550 is heading up a team consisting of

Steve Wilson 18015 Sally Ave. Cleveland OH 44135
Don Daniels 3 Apex Road Melville NY 11746
Bill Rueger 336 Beach 38th St Far Rockaway NY 11691
Phil Shafer 3708 Big Horn Trail Plano TX 75075

These gentlemen will accept programs which are offerred FOR SALE by various vendors, and will subject the programs to hands-on operation, review these and then report their findings on the quality of subject matter, documentation, etc., per the form shown on page FOUR. The reviews that appear in the ARCADIAN will be abbreviated to show only the rating answers. Program vendors are being contacted directly by Dick, based on ads run previously. If you are a 'new' vendor, please drop him a line if you are interested in having impartial reviews of your product.

CORRECTIONS of previous programs:

Dick Nitto, who wrote the article "Have a Ball with Bally" in the latest KILOBAUD writes about dropouts in two of the lines in the program he had included there- They should read

270 GOSUB 440; IF G=1 GOTO 330 280 IF S=0 R=R+1; GOTO 330

He also writes that an easier version is possible if you substitute
260 IF X<3 IF X>-3 IF Y<3 IF Y>-3 GOTO 300

440 IF X<4 IF X>-4 IF Y<4 IF Y>-4 A=520; G=1; GOTO 460

MICROTREK needs to be corrected to 200 CLEAR; C = E-S; IF C Ø C=-C 220 Q=Ø; IF C 2 IF G 2 Q=1

and Bill Templeton suggests the following color commands for enhancement. Insert them in each line just before the RETURN command -

700 FC = 0; 710 FC = 90; 720 FC = 172; 730 FC = 133;

SPACE WAR as printed on p.79 had two points needing work, writes John Johnson. The asterisk (\*) in lines 300 and 500 should be changed to the x for multiplication. In line 820, the Y-5 should be T-5.

RESEQUENCING apparently does not work on all machines. We noted on p. 25 that there were at least two variations of Bally software. We'll work on this to see what changes might have to be made.

CHECKER as modified on p.90 has a typo of mine, in that the @(5) in line 260 should be @(S).

TUTORIAL (3) on p.41 is called a real space saving help by John Collins, who suggests adding an equals sign to line 9030 so that it reads

9030 PRINT #1, "=", %(20076 + (Zx2))

# arcadian -

REVIEW FORM

This form is used by the reviewer in doing his job, showing what things he will be looking for and the gradations possible. The very bottom of the form is what will appear in the ARCADIAN. You can refer back to this page to refresh your memory on the ratings.

Cource Code Cassette Code	Prostram Code BPRF4						
BALLY PROGRAM REVIEW							
Name of Frostam:  Description:  Source:  Keviewed by:	Price						
Circle score for each item 0 1 2 3 4 5 6 7 8							
PROGRAM DOCUMENTATION (PD)							
No Instructions 0 1 2 3 4 5 6 7 8	9 Very Clear Description						
No Instructions of 2 5 4 5 5 7 5	Listins, Flowchart, Instructions						
PROGRAM FOLISH (PP)							
Sloppy, Amateurish 0 1 2 3 4 5 6 7 8	9 Professional						
USE OF SPECIAL FEATURES (USF)							
Minimal Used 0 1 2 3 4 5 6 7 8	9 Great Use of Features Graphics, Sound, Handles						
LEVEL OF CHALLENGE (LC)							
Not Challensins 0 1 2 3 4 5 6 7 8	9 Very Challensins						
ORIGINALITY AND CREATIVITY (OC)	and the same						
Adapted, Same Old Stuff 0 1 2 3 4 5 6 7 8	9 Totalia Brilliant and Duidue						
LEVEL OF INTEREST (LI)							
Borins 0 1 2 3 4 5 6 7 8	9 Fascinatins						
EDUCATIONAL VALUE (EV)							
Little 0 1 2 3 4 5 6 7 8	8 9 Really Learn Facts and Skills						
EASE OF USE (EU)							
Aukward, Inconvenient 0 1 2 3 4 5 6 7 8	9 Easy, Quick, Convenient						
DVERALL VALUE (OV)							
	8 9 Eversone Should Bus						
Name of Program:	and the same and						
Source:	Age						
4 55 - PD- UCE- 1 FB 1118	=   FA= =   FA= =       = =						
Time to Play For Ages	A NI LIBRES						

# "ARCADE DICE" by KLAUS GRISHATER

42#NU-49; NU-51; NU-53; NU-98; NU-49; NU-48; NU-53; GOSUB786; INPUT"# OF PLATERS: "P; IF P)4 P-4 phosons 146; Print" # # # Tou Lose # # # # NAKE SELECTION PRINT: PRINT" \* \* \* ARCADE DICE \* \* NU-98; NU-49; NU-48; NU-48; NU-48 20PRINT: PRINT: PRINT" 1 ELECTRONIC DICE SPRINT; PRINT 2 ELECTRONIC GRAPS DANK SFIFE(22)=8 CLEAR; GOTO 166 SFIFE(22)=8 CLEAR; K=1; T=F; GOTO156 16#BOX \$4,3\$6,8\$6,9,2 17#BOX \$4,4\$,16\$6,8,2 18\$M=((xM(1)+128)\\$28)+1 19\$IF&(22)=16 GOYO 5 2\$\$GOSUBIA\$PRINT" BET:\$",#3,N, 110 IFP-1 K-1; GOSUB 800; GOTO110 3ppgosub5pg; print"Roll again", 2901F S-12 GOSUB 520; GOTO400 26FIF S-11 GOSUB 518; GOTOGOS 2701F S-2 GOSUB 520; GOTO486 2801F S-3 GOSUB 529; GOTO486 34pir A=3 GOSUB 53piGOTO6pp 35pir A=7 GOSUB 54piGOTO4pp 250IF S-7 GOSUB 516:GOTO666 5CLEAR: NT-#: FC-84; BC-24 14#CX--75; CT-4#; RETURN 21pIF TR(1)=# GOTO 18# PRINT: PRINT; PRINT. 1. ARCADE DICE 236GOSUB 566 22000SUB BO 2 paosans 266 Leggorores 36 door 31 (GOTOS) 246S=L+R 36A-L+B SORT-1

GOSUB 146:PRINT"S\$\$\$\$\$\$\$ A WINNER \$585555 630NU=51; NU=48; NU=53; NU=48; NU=48; NU=51; NU=52; 750IF@(K)>@(K+1) IF@(K)>@(K+2) IF@(K)>@(K+3)
GOSUB78Ø;PRINT"PLAIER #",#2,K," HINS ",; 120dosub780; print-plater #",#2; k," rolls", 73pgosub800;@(k)=L+r; hert NU-48; NU-53; NU-48; NU-48; NU-48; NU-48 TOFORZ=1TO2DØ; I=I+1; NEXTZ; I=Ø; GOTO7ØØ B GGX = \$\pi\_1 CI = 4\pi\_1 PRINT" # OF ROLLS: ", #2, N, \$\langle 3 \rangle 1 \rangle 1 \rangle 2 \rangle 1 \rangle 1 \rangle 1 \rangle 2 \rangle 1 44pcx-75; CI-40; PRINT" LOST \$",#3, M. 65pcx--75; CI--4#; PRINT" WIN \$",#3, M, 876BOX46, 6,44,44,1;BOX46,6,42,42,2 886R-RND(6);X-48;GOSUB896+(RX16) 56 CX-F; PRINT" TOU HAVE \$" #3, T. ", ; RETURN \*, REFURN SFOR K-ITOP43;0(X)-6; HEXTE SIPPRINT"A NATURAL", ; RETURN 81ØNT-1; IF&(22)-16 GOTO 5 SZÉPRINT"CRAPS", ; RETURN 500X-20; CI-36; RETURN 78/CX-46; CI-46; RETURN 8/6/N-7-((KN(K)+128):42) 896NEXTD; NT-1; RETURN SOUT-ININEXTZ; I-6 SACPRINT"CRAP OUT 53ØPRINT"A MATCH 570FOR Z=1TOLDS 646NEXT ZINT-6 SPORK-1TO P APPORK-1TO P 62#FORZ=1T02 16 JOOTOSS GOTO776 59600T0156 666GOT0556 T=T+M

# arcadian

99#GOSUB96# RETURN 91#GOSUB97# RETURN 92#GOSUB96# GOSUB98# RETURN 94#GOSUB97# GOSUB98# RETURN 95#GOSUB97# GOSUB98# GOSUB98# RETURN 95#BOX X,#,6,6,1;RETURN 97#BOX X+12,12,6,6,1;BOX X-12,-12,6,6,1; RETURN RETURN RETURN RETURN Keep all the spacing tight (except inside the quotation marks, they should be as shown above) even though it was typed a little inconsistently. The program uses almost all of the BASIC UNIT's memory. The command PRINT SZ must indicate at least 14, if not, eliminate lines 1 & 2.

99\$BOX X-12, \$6,6,1; BOX X+12, \$6,6,1; RETURN

LINES 740 - 780 selects the winner for electronic winning and losing combinations is the loser routine for craps 600 -650 is the winner routine for craps on the dice, determining both give player total and returns 700 - 730 enters each player's roll on LINES 220 - 360 compares the numbers rolled LINES 500 - 540 specify winning and losing dice (highest combination) of players for electronic LINES 140 - 210 sets up player bet for The program operates as follows: LINES 100 - 120 selects the number electronic dice LINES #1 - 70 set up the menue for next bet combinations craps game dice LINES 400 - 460 LINES 550 -590 LINES LINES

ARCADE DICE is played with the hand controls. First menu selection allows up to four players to play in rotation, just enter the number of players, then press go. Number of rolls is selected by knob on hand control, pulling the trigger will begin the rolling. After the newtrant to embrance of a first and control shifts to the next hand control. After everyone has thier turn, the winner is immediately selected.

LINES 840 - 890 roll dice (random selection)

LINES 800 - 830 selects number of times

dice roll

The second menu selection allow player to place bet with knob and trigger, then number of rolls is selected as above. Score is automatically indicated.

To return to menu, press Zero (D) on keyped. This can only be done during selection stages of rolls or bet, which reset

sutomatically.

This program can be modified using the separate sections in other combinations, or medifying the sise and location of the dice. Electronic dice can replace regular dice in board games, by keeping track of whose turn it is (everyone gets thier own control, but cannot move out of turn). I hope this will give someone certain possiblities.

TOURS TRULY,

Allow Browney,

KLAUS GRISHATER

320 Hanna Ave., Bldg. 3, Apt.

LOVELAND, OH. 45140

MACHINE ACTING UP? Most of us have had problems of intermittent failure, garbage on the screen, keypad or controller malfunction, etc. Bally has set up a number of service centers around the country, primarily to take care of their commercial arcade machines, and most problems are solved by a simple swap of units. New units didn't always work and so some subscribers have had 5.6, or 7 units before they got a good one. I'm on #3 myself. Canther Dorth, 154 Cornell Ave., Des Plaines, IL 60016 has volunteered to act as a clearing house, requesting information from those of you who have had problems, had them solved, still have them, etc., etc. When writing, send him your serial number.

POKE program that does funny things was sent in by Dick Martin. It keeps changing its own line numbers, and other stuff....

10 INPUT A 20 %(A)=A

30 TV = \$(A)

40 GOTO 10

TAPE PROGRAM PURVEYORS might be interested in trying this idea I had the other day - How about a vocal description prior to the program itself, and then some vocal instructions after the program has been loaded. Put some suitable instructions where they will help.

ADS: Sell Bally Computer System complete, includes Panzer/Baron, Clowns, Breakout, Football, Star Battle, Blackjack, Baseball and 4 joysticks. Best offer about \$300. Brand New. Mark Turmell, 4691 S. Elm Dr. Bay City, Mich, 48706 517-684-9189

Listing only for Chuck-a-Luck, a one-player gambling game with graphics. \$1 and self-addressed envelope to Al Nowak, 10632 S.Kenneth, Oak Lawn IL 60453

CORRECTION to the Handbook (sample page on p.83) noted by Chuck Thomka. On p.109, the labels of columns MCP and MC1 should be reversed. The same table is properly shown on p.123

EIGHT

**ARCADIAN** 

Robert Fabris, PRINTER 3626 Morrie Dr. San José, CA 95127

